

## W2: Cover thickness estimate using geophysical inversion methods

<b>Coordinator(s)</b>	Marina Costelloe
<b>Date(s)</b>	Sun, Sep 01 & Mon, Sep 02
<b>Time</b>	08:45 - 16:45
<b>Location</b>	Crown Perth
<b>Summary</b>	This workshop is to provide an overview of three geophysical techniques (AEM, magnetotelluric (MT) and passive seismic), and hands-on experience in applying robust inversion tools to estimate cover thickness. The examples worked through during the workshop can be used by the participants as a basis to invert their own datasets.

<b>Schedule*</b>	
<u>Topic</u>	<u>Speaker</u>
<b><u>Day 1</u></b>	
<b><u>Session 1</u></b>	
Introduction	<i>Alexei Gorbatov</i>
AEM Talk	<i>TBC</i>
AEM exercise 1	<i>TBC</i>
<b><u>Session 2</u></b>	
AEM exercise 2 & 3	<i>TBC</i>
<b><u>Session 3</u></b>	
MT lecture	<i>Wenping Jiang</i>
MT exercise 1	<i>Wenping Jiang</i>
<b><u>Session 4</u></b>	
MT exercise 2 & 3	<i>Wenping Jiang</i>
<b><u>Day 2</u></b>	
<b><u>Session 1</u></b>	
Passive seismic lecture	<i>Alexei Gorbatov</i>
Passive seismic exercise 1	<i>Alexei Gorbatov</i>

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### Terms and conditions

\* Schedule subject to change

Workshops will proceed only if minimum numbers are reached, should a workshop be cancelled that you have paid and registered for, you will be notified and refunded the full amount. Should you wish to cancel a workshop, standard registration cancellation policy applies. Please refer to the AEGC conference website for registration cancellation policy and for further details on registration information <https://2019.aegc.com.au/>



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#### **Session 2**

Passive seismic exercise 2

*Alexei Gorbatov*

#### **Session 3 & 4**

Free time/practice

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